

On the Water and Water Vapor Permeability of Hydrophobic  
Materials, by Joseph Sivadjian, 3 pp.

FRENCH, Journal de Chimie Physique, 1959, pp 372-376.

FDD/X-3934

Sci  
Dec 59

Physicochemical Study on the Properties  
of a Polybutadiene in Solution, by Ph.  
Ribeyrolles, A. Guyot, H. Benoit, 16 pp.  
FRENCH, per, Journal de Chimie Physique,  
Vol 56, No 4, 1959, pp 377-385.  
SLA TT-65-10221

336, 212

Sci  
Aug 67

A Kinetic Study of the Exchange of Deuterium  
Between Liquid Water and Gaseous Hydrogen Sulphide,  
by J. Garaud, R. Amanrich, 47 pp.

FRENCH, *Compt. Rend. Acad. Sci. Paris*, Vol LVI, 1959, pp 532-547.

AEC NP Tr-446

Sci - Chem  
Sep 60

124,830

Study of the Preparation of Junctions n-p by  
Diffusion of Boron and Phosphorus in Silicon,  
by Georges Feuillade, 46 pp.

FRENCH, per, J Chim Phys, Vol LVI, 1959,  
pp 593-608.

Sci - Chem, Phys  
May 61

NEC UCRL-Trans-625

150,388

Radiochemical Polymerizations Proceeding by an Ionic  
Mechanism, by A. Chapiro, V. Stannett, 5 pp.

FRENCH, per, Journal de Chim Phys, Vol LVI, 1959,  
pp 830-833.

ATS-92M1F

Sci

ATS-667-FJ  
190,243

Apr 62

Vol. IV, No 6

Concerning the Mechanism of the Acceleration  
Observed During the Reaction of Radiochemical  
Grafting of Polymers, by J. Dobo, A. Somogyi, 9 pp.  
GOVERNMENT USE ONLY  
FRENCH, per, Journal de Chimie Physique, No 2592,  
Oct-Dec 1959, pp 863-866.  
ARSI/RSTC/IT-23-111-70

Sci/Chem  
Apr 70

405,624

4(MLIM-1820(TR)) 5STUDY ON THE ADSORPTION OF  
RADIOISOTOPES IN SOLUTION. II. ADSORPTION OF Pu(IV)  
IN A NITRIC ACID MEDIA. 6Haissinsky, M.; Paiss, Y. 10Trans-  
lated by J. D. Hastings (Mound Lab., Miamisburg, Ohio), from  
15J. Chim. Phys.; 56: 915-19(1959). 2011p. 24Dep. NTIS.

25

26chemistry (physical); translations 2707D

28MN-4 29P NSA

Study of the Ions Produced by Electron Impact  
in Water Vapor, by M. Cottin, 18 pp.

FRANCOIS, ~~par~~, Journal de Chimie Physique,  
Vol. LVI, ~~1959~~, pp 1024-1035.

ATS-6873F  
ATS/932-FJ

Sci.  
Mar 62  
Vol. VII, No 3

188,102

The Radiochemical Polymerization of Styrene  
in Solid State, by A. Chapiro.

FRENCH, per, Journal de Chemie Physique,  
Vol 57, No 1, 1960, pp 35-57.

NTC-70-12747-07E

*ATS-93m, 41 F*  
*ATS-688 FS 4/14*

Feb 72

Electronic Structure of the Ion  $\text{NH}_3^+$ , by  
J. C. Lorquet  
EUROPEAN, per, Journal de Chimie Physique, Vol 57,  
1960, pp 85-89  
NTC 71-16491-07D

mar 72

Feuillade, G. and Marete, S.  
INFLUENCE OF SURFACE PHENOMENA DURING  
DIFFUSION OF IMPURITY IN SILICON. [1961]  
[52]p. 31 refs.  
Order from SLA \$5.60

62-10096

Trans. of Journ[al] de Chimie Phys[ique] (France)  
1960, v. 57, no. 3, p. 228-247.

DESCRIPTORS: \*Silicon, Surface properties, \*Im-  
purities, Boron, Phosphorus, Gallium, Aluminum,  
Diffusion, Thermodynamics.

(Chemistry--Physical, TT, v. 7, no. 4)

62-10096

I. Feuillade, G.  
II. Marete, S.

Office of Technical Services

THE HISTORY OF MEDICAL FRACTURING, by A. HENNING,  
1963.

SEARCHED FOR J. Guido Physique, Vol. XVII, 1960,  
pp 192-193. 1207233

ABC/EP TX-913  
CLA 63-12151

Sci. - Phys

May 63

232,212

Benoit, H. and Wippler, C.  
THE ANGULAR DISTRIBUTION OF LIGHT SCAT-  
TERED BY A SOLUTION OF A COPOLYMER. [1961]  
6p.  
Order from ATS \$9.75                      ATS-18N56F

Trans. of [Journal de] Chim[ie] Phys[ique] (France)  
1960, v. 57, p. 524-527.

DESCRIPTORS: "Light, Scattering, Distribution,  
Solutions;

(Chemistry--Physical, TT. v. 7, no. 10)

62-12057

- I. Benoit, H.
- II. Wippler, C.
- III. ATS-18N56F
- IV. Associated Technical  
Services, Inc., East  
Orange, N. J.

ATS-914-FJ

Office of Technical Services

A New Device for Producing Ultra-High Vacua, by  
M. J. Paxon, H. J. Bottazzi, S. J. Teichner.

FRENCH, per, Journal de Chimie Physique, Vol LVII,  
No 7/8, 1960, pp 600-605.

SLA 61-20004

Sci  
Mar 62

189,561

Vol VII, No 2

Role of  $C_3O_2$  in the Radiolysis of  $CO_2$ , by J. Sutton,  
et al.

FRENCH, per, J Chimie Physique, Vol LVII, Jul/Aug  
1960, pp 643-646.

\*U.K. Atomic Energy Authority  
Risley, TRG Inf Series 28(C)

Sci - Phys, Chem  
Nov 61

Decomposition of CO<sub>2</sub> in an Electric Discharge,  
by M. Faraggi.  
FRENCH, per, Journal Chim. Phys., Vol LVII, Jul/  
Aug 1960, pp 647-648.

AEC

S:1  
Mar 64

62-10976

Haïssinsky, M. and Julien, R.  
ULTRASONIC OXIDATION-REDUCTION OF FERRO-  
FERRICYANIDE IN AQUEOUS SOLUTION. [1962] 14p.  
3. refs.  
Order from SLA \$1.60

I. Haïssinsky, M.  
II. Julien, R.

62-10976

Trans. of Journal de Chimie Physique (France) 1960,  
v. 57, no. 775, p. 666-672.

DESCRIPTOR: \*Radiochemistry, \*Ultrasonic radia-  
tion, \*Oxidation-reduction reactions, Iron compounds,  
\*Cyanides, Hydrogen ion concentration, Solutions.

An aqueous solution of potassium ferrocyanide, which  
is either acid or neutral, under oxygen, argon or air,  
is oxidized to ferricyanide by ultrasonic action. The  
variation in yield with concentration presents a  
course known in radiochemistry as the "dilution effect."  
At high concentrations, the yield is greater under  
(Chemistry--Physical, TT, v. 8, no. 7) (over)

Office of Technical Services

Reaction Kinetics of Different Types of Carbon,  
General Introduction, Reactions of Graphite with  
Oxygen, by X. Duval, 13 pp.

FRENCH, par, J de Chimie Physique, Vol LVIII, 1961,  
pp 3-11. 9093434

AKRE, Harwell Tr-886

Sci - Chem, Phys  
May 62

193, 713

Study of the Initial Phase of Oxidation of Graphite  
in Air at 420°-650°C., by E. Bauer.

FRENCH, per; Journal de Chimie Physique, Vol LXVIII,  
No 47, 1961.

AERE, Harwell, Eng-207

Sci - Chem, Phys  
Jul 62

000,007

Feuillade, Georges [M.] and Marette, Simone.  
APPLICATION OF THE REACTION RATE THEORY  
TO ETCHING OF THE CHEMICAL AND CRYSTAL-  
LINE HETEROGENEITIES IN SILICON. [1962]  
78p. 35 refs.  
Order from SLA \$7.60

62-18713

Trans. of Journ[al] de Chimie Physique (France) 1962,  
v. 58, no. 4, p. 418-441.

DESCRIPTORS: \*Silicon, Photoengraving, Reaction  
kinetics, Electrochemistry, Crystal structure, Cor-  
rosion, Dislocations, \*Semiconductors, Surface  
properties.

This study undertakes to generalize the theory of  
staining and etching of the surface irregularities in  
silicon and to develop therefrom the different aspects  
(chemical or physical attacks on the surfaces) into a  
general scheme, which can be directly interpreted by  
(Physics--Solid State, TT, v. 9, no. 8) (over)

62-18713

I. Feuillade, G. M.  
II. Marette, S.

Office of Technical Services

Effects of Temperature on Polyvinyl Chloride in  
Solution in Tetrahydrofuran, by R. Gautron and  
C. Wippler.  
FRENCH, par, Journal de Chimie Physique, Vol 58,  
1961, pp 754-758.  
NTC 71-13875-11I

Feb 72

in Supermolecular Behaviour of Inelastic Acids: Their  
Prolonged Luminescence, by Pierre Duzon, Jean-Claude  
Frenon, et al., 15 pp.

FRANCOIS, Ger, Journal Chim Phys, Vol LVIII, 1961,  
pp 986-993. 9213052 → [unclear] part on [unclear]

ACX-21-5868

Sci - Natl Sci

Aug 63

Radiolysis of Methane in the Gaseous Phase,  
by Jean Maurin, 15 pp.  
FRENCH, per, Journal de Chimie Physique, Vol LIX,  
No 1, 1962, pp 15-26. 9224388  
AEC-ORNL-Tr-214

Sci-Phys  
Nov 64

268,545

Radicalysis of Aqueous Solutions of Plutonium, by  
Monique Pages, 31 pp.

FRENCH, per, Journal Chim Phys, Vol LIX, 1962,  
pp 63-77.

AEC-NP-1007(Draft)

Sci - Nucl Sci

Aug 63

*341, 332*

Nuclear Magnetic Resonance (N.M.R.) and the  
Hydrogen Bond, by B. Lemanceau, C. Lussan,  
et al, 16 pp.

FRENCH, par, Journal de l'Chimie Physique,  
Vol LIX, No 2, 1962, pp 148-153. 9099564

9066962

ABC HW Tr-42

Sci - Phys  
Oct 62

212, 641

63-14741

Chiche, Pierre.  
THERMODYNAMICS OF ADSORPTION, PT. 1. [1963]  
50p. 17 refs.  
Order from SLA \$4.60

63-14741

1. Chiche, P.

Trans. of Journal de Chimie Physique (France) 1962,  
v. 59, no. 4, p. 375-393.

DESCRIPTORS: \*Adsorption, \*Thermodynamics,  
Surface properties, Heat, Phase studies, Mathematical  
analysis.

The form taken by the fundamental equations of thermo-  
dynamics in the presence of adsorption phenomena is  
indicated, according to whether or not the properties of  
the layer adsorbed itself are to be revealed. The heats  
released by adsorption under different operating condi-  
tions are then studied, showing in each instance the  
role played by surface phenomena proper. (Author)  
(Physics--Thermodynamics, TT, v. 10, no. 5)

Office of Technical Services



Radiochemical Polymerization of Several  
Vinyl Monomers at Low Temperatures, by  
Y. Amagi.  
FRENCH, per, Journal de Chimie Physique,  
Vol 59, No 6, 1962, pp 537-557.  
NTC-70-12748-07E

Feb 72

**Gamma-Ray Radiolysis of Aqueous Solutions of Tellurium. I. Study of Alkaline Solutions; Radical and Molecular Yields, by M. Haissinsky, P. Patigny, 16 pp.**

**FRENCH, per, Journal de Chimie Physiques, ~~XXX~~  
Vol LIX, 1962, pp 675-680. 9223462  
AEC-ANL-Tr-36**

**Sci-Phys  
Sep 64**

**267,315**

A Study of Remote Interactions Within Macromolecular Chains, by M. Leng, H. Benoit, 8 pp.  
FRENCH, per, Journal de Chimie Physiques, Vol LIX,  
1962, pp 929-932. 9223535  
AEC-SC-T-64-902

Sci-Phys  
Sep 64

265,859

Quantitative Studies on the Exciton Spectra  
of Cd, Pb, and Hg Halides at Low Temperatures,  
by S. Martine, J. Burckel, et al.  
FRENCH, per, J. Chim. Phys. Vol 59, 1962,  
pp 1090-1092. 9232585  
AEC UCRL-Tr-10000

Sci/Chemistry  
May 66

300,497

Intergranular Diffusion and the Structure of  
Intergranular Joints in Alkali Metal Halides,  
I. Fritting; II. Diffusion, by Jean Cabane.

FRENCH, per, Journal de Chimie Physique, Vol LIII,  
1962, pp 1123-1141.

\*FREC

Sci - Phys

Dec 63

<p>Dauphin, J. THE RADIOCHEMICAL BEHAVIOR OF CERTAIN SATURATED HYDROCARBONS. PT. 1: GENERAL THEORY AND EXPERIMENTAL METHODS. [1963] 20p. Order from ATS \$24.75                      ATS-40Q69F</p>	<p>63-17445</p>
<p>Trans. of [Journal de] Chim[ie] Phys[ique] (France) 1962, v. 59, no. 11/12, p. 1196-1206.</p>	<p>I. Dauphin, J. II. Title: General ... III. ATS-40Q69F IV. Associated Technical Services, Inc., East Orange, N. J.</p>
<p>DESCRIPTORS: *Hydrocarbons, *Radiochemistry, Theory.</p>	
<p>(Chemistry--Organic, TT, v. 10, no. 5)</p>	<p>Office of Technical Services</p>

63-17456

Dauphin, J.  
THE RADIOCHEMICAL BEHAVIOR OF CERTAIN  
SATURATED HYDROCARBONS. PT. 2: CYCLO-  
ALKANES. [1963] 27p.  
Order from ATS \$29.50                      ATS-41Q69F

Trans. of [Journal de] Chim[ie] Phys[ique] (France)  
1962, v. 59, no. 11/12, p. 1207-1222.

DESCRIPTORS: \*Hydrocarbons, \*Radiochemistry,  
\*Alkanes.

(See also ATS-40Q69F)

(Chemistry--Organic, TT, v. 10, no. 5)

- I. Title: Cycloalkanes
- I. Dauphin, J.
- II. ATS-41Q69F
- III. Title: Cycloalkanes
- IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Dauphin, J.  
THE RADIOCHEMICAL BEHAVIOR OF CERTAIN  
SATURATED HYDROCARBONS. PT. 3: ALKANES.  
[1963] 17p.  
Order from ATS \$18.75                      ATS-42Q69F

Trans. of [Journal de Chim[ie] Phys[ique] (France)  
1962, v. 59, no. 11/12, p. 1228-1232.

DESCRIPTORS: \*Hydrocarbons, \*Radiochemistry,  
\*Alkanes.

(See also ATS-41Q69F)

(Chemistry--Organic, TT, v. 10, no. 5)

63-17457

I. Dauphin, J.  
II. Title: Alkanes  
III. ATS-42Q69F  
IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

Fractionation of Isotopes in the Distillation of  
Water, by Liliane Merlivat, Rene Dötter, et al.  
PURECI, par, Journal de Chimie Physique, Vol 60,  
1963, pp 56-59. P911021866  
AEC SCRL-tr-10049

Sci/Physics  
Sep 66

309,332

**Diffusion in Liquids. Influence of Temperature and Pressure on the True Exposure Method} Comparison with Viscosity. by L. Andrussov. 4 pp. FRENCH, per, J. Chimie Physique, Vol 54, 1957, pp 862-865.  
\*NBS TT 70-57564**

Sci-Phys

7-1 2/1

Conditions for Isotopic Enrichment by a photo-  
chemical Reaction, by R. Gilbert, 14 pp.  
FRENCH, per, Journal de Chimie Physique, No 60,  
1963, pp 205-208. P911066168-V  
AEC-UCLB-FR-10178

Sci-Chem  
Apr 68

352,154

**Gamma Radiolysis of Potassium Ferrocyanide and  
Potassium Ferricyanide, by E. Masri, M. Haissinsky,  
14 pp.  
FRENCH, per, Journal de Chimie Physique, Vol LX,  
1963, pp 397-401. 9223555  
AEC-ANL-Tr-35**

**Sci-Phys; Mat & Met  
Oct 64**

**267,605**

Effect of Ionizing Radiations Upon Aqueous Solutions  
of Benzoquinone and Hydroquinone, by C. Verzeil,  
G. Rogyat, et al, 25 pp.

FRENCH, per. J. Chim. Phys., Vol. LX, 1963,  
pp 659-666.    9212754

ABC-NP-Tr-1072

Sci-Phys  
Jan 64

248,325

Application of Nuclear Magnetic Resonance to the  
Study of Water of Constitution of Silica Gels,  
by Jacques Fraissard, Ionel Solomon, et al, 17 pp.  
FRENCH, per, Journal de Chimie Physique, 1963,  
pp 676-683. 9225795 /  
AEC-Tr-622483

Sci-Phys  
Dec 64

269,413

DURIF, S. Evolution of the internal surfaces of coals in  
course of carbonization.  
J. Chim. phys. 60(1/2):816-24 (1963) (

Radiolysis of Absorbed Carbon Dioxide in the  
Radiolysis of CO<sub>2</sub> by Roger Coekelbergs,  
Andre Crucq, et al.  
FRENCH, per, J. Chim. Phys., Vol 60, 1963,  
pp 891-898. 9232866  
AEC ORNL-Tr-1215

Sci/Physics  
Jun 66

302,490

Some Problems Arising in the Study and  
the Applications of Photochromism,  
by Pierre Douzon, Constant Wippler,  
27p.

RUEKII, per, Journal de Chimie Physique,  
Vol 60, No 11/12, 1963, pp 1409-1418.  
SLA 73-64-30711

336, 177

Sci  
Aug 67

Effect of Hydroxyl Radicals on the Kinetics of  
the Combustion of Carbon Monoxide, by  
F. Gaillard-Cusin, H. James. 45 pp.  
FRENCH, per, J. Chim. Phys. Vol 61, 1964,  
pp 363-373.  
AEC NP-tr-1201

Sci/Chemistry  
Jun 66

301,118

Radiolytic Reduction of Potassium ~~Hex~~ Iodate in  
Alkaline Medium, by M. Haissinsky, J. Jove, et al,  
12 pp.  
FRENCH, per, Journal de Chimie Physique, Vol IX,  
1964, pp 572-576. 9226151  
AEC-NP-Tr-1181

Sci-Phys

Jan 65

270,599

Yields of  $H_2O_2$  From the Radiolysis of Aqueous Solutions  
by 5.3 MeV Alpha Rays, by Maria do Carmo Anta,  
Maria Helena Mariano, et al, 17 pp.  
FRENCH, per, Journal de Chimie Physique, Vol LXI,  
1964, pp.577-583. 9226045  
AEC-NP-Tr-118k0

Sci-Phys  
Dec 64

~~270,658~~  
270,568

(FDD 19292)

Separation of Isotopes by the Method of Electrolytic Migration of Ions, by A. Klemm, 15 pp.

FRENCH, no per, Journal de Chimie Physique et de Physico-Chimie, Vol XLIX, France, Jun 1952, pp C18-C24.

CIA/FDD/U-5375

EEur - Germany

9985

Scientific - Chemistry, separation of isotopes  
Copyright Jan 54

The Preparation of Silicon-Titanium Alloys by  
Fused Electrolysis, by Maurice Dodaro, 8 pp.

FRISON, per, J. Chim Phys, Phys-Chim Biol,  
Vol XLII, Jun 1952, pp 612, 613.

S.L.A. Tr 1214

Sci - Chemistry  
Jan 57 613

42, 335

Electronic Properties of Al N, by Jean  
Laprenaudie,  
FRENCH, per, Journal de Chimie Physique et  
de Physicochimie Biologique, Vol LIV,  
1956, pp 222-225.  
\*NASA

Sci-Electron & Elec Engr  
NOV 66

Radiolysis of Aqueous Solutions of Plutonium,  
by M. Pages.

FRENCH, per, <sup>I</sup>~~S~~. de Chimie Physique et de  
Physicochimie Biologique, Vol LIX, No 1,  
1962, pp 63-77.

\*UKAEA  
Windscale  
Tr No 18

Sci - Phys  
5 Mar 63

Infrared Spectroscopy Study of Organosilicon Compounds,  
by Annette Marchand, Marie-Therese Forel, et al, 31 pp.  
FRANCK, per, J de Chemie Physique et de Physico-  
Chimie Biologique, Vol LXI, No 3, 1964, pp 343-362.  
9698500

DDC RSIC-377

Sci - Phys  
Apr 68

278,289

Determination of the Thermodynamic Forces  
Accurately in the Permanent State, the Diffusion  
Isotherm for Carbon in Alpha-Iron, by  
F. Meeks.

FRENCH, par, J Chim Phys Phys-Chim Biol, Vol 16,  
1964, pp 453-454.

\*CFSTI TT 70-58219

Sci-Chem  
June 70

Trench Foot, by Victor Raymond.  
FRENCH, per, Jour Chir, Vol XIV, 1918,  
pp 329-393.  
\*Dept of Navy/NMC

Sci - B/M  
Mar 66

Stricker, P. and Orban, F.  
EXPERIMENTAL RESEARCHES ON ARTERIAL  
THROMBOSIS, THE ARTERITES, GANGRENE, AND  
ON THE COMPARATIVE VALUE OF ARTERIAL  
LIGATIONS AND ARTERIECTOMIES. [1961] 7p  
(figs omitted) 4refs  
Order from SLA \$1.10

TT-61-14494

Trans. of Journal de Chirurgie (France) 1930, v. 36,  
p. 697-711.

DESCRIPTORS: \*Arteries, Obstruction (Physiology),  
\*Thrombosis, \*Arteriolenecrosis, Therapy, Surgery.

(Biological Sciences--Pathology, TT, v. 11, no. 3)

TT-61-14494

I. Title: Gangrene  
I. Stricker, P.  
II. Orban, F.

Office of Technical Services

JOURNAL DE CHIKUNGIE  
1964 V98 N6 P289-301    70-20405 <\*>  
1968 V98 N6 P445-452    70-12167-06L <\*>

ORDER FROM NYC

On the Application of the Argon-Ionization  
Detector to Trace Analysis of Inorganic Gases,  
by H. G. Bothe, J. Leonhardt,  
GERMAN, per, J. Chromatog, Vol 19, 1935,  
pp 1-11  
NASA TT F-9867

U. S. GOVERNMENT USE ONLY  
Sci-Fuels  
Apr 66

298,733

R-1022-N

Applications de la Microchromatographie D'Adsorption  
sur couches minces.

FRENCH, per, Journal of Chromatography, Vol I,  
1958, pp 24-35.

JPRS/US Army Missile Command  
Redstone Arsenal, Alabama

Oct 62

<p>Böhm, Z. AN ANALOGUE INTEGRATOR FOR THE GAS- CHROMATOGRAPHING APPARATUS (Ein Analoginte- grator zur Gaschromatographischen Apparatur) tr. by D. A. Sinclair. 1960, 11p. 12 refs. Technical trans. 908. Order from NRCC \$1.00                      NRCC C-3462</p>	<p>61-12620</p> <ol style="list-style-type: none"><li>1. Chromatographic analysis-- Equipment</li><li>2. Gases--Chromatographic analysis<ol style="list-style-type: none"><li>I. Böhm, Z.</li><li>II. NRCC TT-908</li><li>III. NRCC C-3462</li><li>IV. National Research Council of Canada</li></ol></li></ol>
<p>Trans. of [Journal of] Chromatography (Netherlands) 1960, v. 3, no. 3, p. 265-272.</p>	
<p>151487</p>	
<p>(Chemistry--Analytical, TT, v. 5, no. 8)</p>	<p>Office of Technical Services</p>

Some Separations of Radioisotopes Using Ethyl-  
Ethylenediaminetetraacetic Acid, by G. Duyckaerts,  
R. Lejeune, 5 pp.

FRENCH, per, J Chromatog, Vol III, 1960, pp 58-62

ABC AAEC/Trans-6

Sci  
Jun 61

156, 081

Thin-Layer Chromatography Report No. VI.  
Trace Analysis of Sugar Mixtures on  
Kieselgulf G Layers, by E. Stahl,  
U. Kaltenbach.  
GERMAN, per, J. Chromatog. Vol V,  
1961, pp 351-355.  
NASA TT N-10,290

U. S. GOVERNMENT USE ONLY  
Sci- B&M  
Nov 66

312,500

Mecke, R. and Zirker, K.  
CALCULATION OF AREA FACTORS FOR GAS  
CHROMATOGRAPHY WITH THE HELP OF THE  
KINETIC THEORY OF GASES. [1963] 15p (figs  
omitted)  
Order from SLA \$1.50                      TT-63-20932

Trans. of Journal of Chromatography (Netherlands)  
1962, v. 7, p. 1-12.

(Chemistry--Analytical, TT, v. 12, no. 2)

TT-63-20932

I. Mecke, R.  
II. Zirker, K.

Office of Technical Services

Separation of Simple Sugars on Cellulose Layers, by  
A. Schweiger.  
GERMAN, ber, J. Chromatog., Vol IX, 1962, pp 374-376.  
NASA TT F-10,258

10/66  
Oct 66

312,256

Chelate-Forming Exchanger Resins. Part III.  
Selective and Specific Ion Exchangers Based on  
Hydrazide, by E. Blasius  
EUROPEAN, per, Journal of Chromatography, Vol 11,  
1963, pp 84-92  
HTC 71-16427-07D

mar 72

A Multi-Dimensional Method for the Chromato-  
graphic Identification of Amino Acids, by E.  
Von Arx, et al.  
FRENCH, per, J Chromatogr, Vol 12, 1963,  
pp 329-341.  
HBW NIH 9-3-67

Sci-BBM  
Oct 67

343,021

Brightness Variation of the Echo-I Satellite,  
by M. V. Bratychuk, G. V. Moskaleva.  
GERMAN, per, J. Chromatog. No 36, 1963,  
pp 23-29.  
NASA TT F-9841

~~Acero~~  
Apr 66

298,734

Paper Chromatographic Separation of Radionuclides With  
Iron (III)-Hydroxide As Carrier, by H. H. Stamm, H. J. Schroeder,  
8 pp.  
GERMAN, per, J. Chromatoglogy, Vol X, 1963, pp 392-395.

AEC-Tr-6138

Sci - NS  
Feb 64

250, 229

Gas-Chromatographic Analysis of Mixtures of  
Inorganic Fluorides, by A. Engelbrecht,  
H. Nachbaur, et al. FOR GOVERNMENT USE ONLY  
GERMAN, per, Journal of Chromatography,  
Vol II, No 15, 1964, pp 15, pp 228-235.  
DDO0434  
DWC BSIC-346

Sci - Fuels & Propul  
Apr 65 278,259

Silica Gel Thin-Layer Chromatography of  
Flavonoids, by L. Horhammer.  
GERMAN, per J. Chromat., Vol. 13, 1964  
pp 235-237  
CSIRO/No. 7627

Sci -  
Aug 67

133-107

Gas Chromatography: Retention Data and Structure of  
Chemical Compounds. Part 1. Aromatic Aliphatic  
and Alicyclic Carboxylic Acid Methyl Esters,  
by G. Sauborg,  
GERMAN, see, Journal of Chromatography, vol.14,  
no. 2, 1967, pp. 157-177,  
NIT. 70-16936-070

National Tuberculosis Service; Notes Concerning  
the Development of the Fight Against Tuberculosis  
in Brazil, by S. Libanio, 2 pp.

ITALIAN, per, J. Clinicos, Vol, XXIV, No 6,  
pp 7-24.

SLA Tr 2572

Sci - Medicine  
How 57

54,794

Egyptian Legislation - Military Service.  
UNCLASSIFIED

FRENCH, per, Journal du Commerce et de la Marine,  
B.P. 813, Alexandria, Etat EA Cairo IR-197-58.

Navy 1952/OMI 368

NE/A - Egypt  
M11  
Jan 59

79,854

Share of the Cavado Hydroelectric Plant in the Work  
of National Electrification, 3 pp. (ED EIF 215374).

PORTUGUESE, per, Jornal do Comercio, Vol CI, No 30,  
17 Oct 1953, p 2.

OCE Tr No 4 (April)

RE - Portugal  
Economic  
Apr 54 CTS/DEX

102,057

The Works on the Cavado and Ravagao Rivers;  
The Hydro-Electric Plant of Lezere and Its  
Mission in the National Economy, (ID EIF 215374)  
28 pp. UNCLASSIFIED

PORTUGUESE, Jornal do Comercio, Vol CI, No 30,271,  
1953, pp 10-11, 12-14.

OCE No 7 (May 54)

12,736  
Wilar - Portugal June 54 CTS/DEX  
Economic - Electric Power

The Decisive Contribution of the National Power Company  
in the Framework of Portuguese Electrification, 23 pp.  
(ID EIP 215374). UNCLASSIFIED

PORTUGUESE, per, Journal do Comercio, Vol EE CI,  
no 30, 17 Oct 1953, pp 15-17.

OCE Tr No 3 (April)

EE - Portugal  
Economic  
Apr 54 CTS/DEX

12,056

Panorama, (ID EIF 215374), 10 pp. UNCLASSIFIED  
/ by Ferreira Dias

PORTUGUESE, Jornal do Comercio, Suppl to No 30,271,  
Vol CI, 1953, pp 1-2.

OCE No 3 (May 54)

WSur - Portugal  
Economic

Jun 54 CES/DEX

14,152

The Basic Statutes of Portuguese Electrification;  
The Great Services Rendered by the UNIAO Electrica  
Portuguesa to the National Economy, (ID EIF 215374)  
21 pp. UNCLASSIFIED

PORTUGUESE, Jornal do Comercio, Vol CI, Supple to  
No 30,271, 1953, pp 2-3, 5.

f OCE No 4 (May 54)

WENT - Portugal

Economic - Electric Power

13,039

Jun 54 CTS/DEX

Hidro Electrica Alto Alentejo Has Contributed to  
the Work of Electrification With Important  
Achievements, (ID REF 215374), 18 pp.  
UNCLASSIFIED

PERFUGUEIRA, Jornal do Comercio, Vol CI, No 30,271,  
1953, pp 6-8.

OCE No 5 (May 54)

WHur - Portugal  
Economic - Electric Power June 54 CIB/DEX

13,991

The Function of State Agencies in the Work of National  
Electrification; Other Hydroelectrical Enterprises,  
(ID REF 215374), 12 pp. UNCLASSIFIED

PORTUGUESE, Jornal do Comercio, Vol CI, Supple to  
No 30,271, 1953, p 8.

OCE No 6 (May 54)

13,992

MBur - Portugal

Economic - Electric Power

Jan 54 CIB/DEX

Jacob Frank<sup>z</sup> Substitute to Anti-Trust Law, 6 pp.  
OFFICIAL USE ONLY

PORTUGUESE, per, Jornal do Comercio, 18 Jun 1961,  
Encl 2 to Desp 4, AmEmbassy, Rio de Janeiro, 3 Jul 1961,  
Department's A-326, 22 May 1961, CERP, Section D, IV,  
A-1 & 2, 3 Apr 1957. ~~Dept of State~~

LA - Brazil  
Pol  
Aug 61

Dept of State  
165,959

Representative Curves of the Laws of Longitudinal  
and Transverse Impact on a Prismatic Bar, by  
M. Flamant, 32 pp.  
FRENCH, per, Journal de l'Ecole Polytechnique,  
Vol LIX, 1889, pp 97-128. 9695198  
DDC RSIC-300

Sci - Earth Sci & Astron  
Nov 64

269,434

Separation of Inorganic Ions in Fused Salts  
by Electrophoresis on Glass Fibre Paper,  
by G. Alberti.  
ITALIAN, per J. electroanal. Chem, Vol. 3,  
No. 4, 1962, pp 283-285  
GB 72

Sci -  
Aug 67

337-376

Current Scanning Polarography at the  
Dropping Mercury Electrode, by T. Fujinaga  
K. Izutsu.

ITALIAN, per J. Electroanal Chem. Vol. 4,  
No. 5, 1962, pp 287-300  
GB 72

Sci -  
Aug 67

337-361

Polarographic Studies in Molten Magnesium  
Chloride-Sodium Chloride-Potassium Chloride  
Eutectic, by H.C. Gaur, W.K. Behl.  
ITALIAN, per J. Electroanal. Chem. (Holland)  
Vol. 5, No. 4, 1963, pp 261-269  
GB 72

Sci -  
Aug 67

337-382

Polarography of Technetium, I. D.C. and A.C.  
Polarographic Studies of Pertechnetate Solutions,  
by L. Astheimer, K. Schwobach.  
GERMAN, por, J. Electroanal. Chem. Vol 8, 1964,  
pp 382-389. F911029066  
AEC CNRL tr-1265

Sc-/electronics  
Oct 66

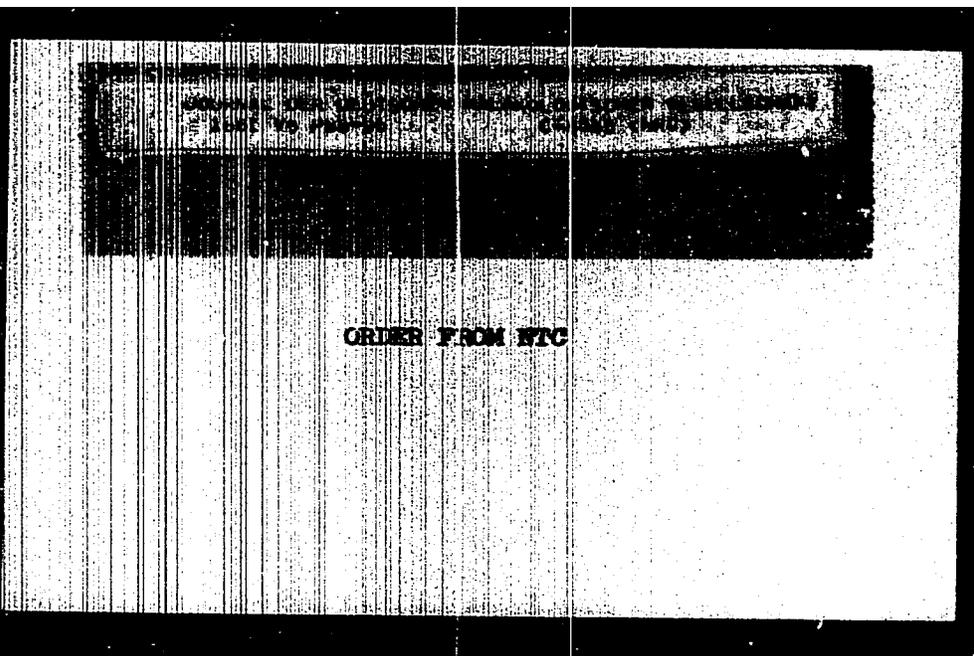
509,515

Properties in Solution in Fused Sodium Tetra-  
chloroaluminate I. "Acid-Base" Systems, by  
Bernard Tremillon, Gerard Letisse, 23 pp.  
FRENCH, per, J. Electroanal Chem., Vol 17, 1968,  
pp 371-386.  
AEC/DINL-Tr-2187-69

Sci/Chem

Oct 60

303 463



Psychological Analgesia in Obstetrics, edited by P.  
Aboulker, L. Chertok, M. Sapir.

FRENCH, bk, Journee d'Etudes sur Les Methodes Psychologi-  
ques en Analgesie Obstetricale.

Pergamon Inst  
\$10.00

Apr 59

Awards Portuguese Decorations, Orders, and  
Medals, 2 pp.

PORTUGUESE, <sup>bk</sup> ~~no~~, JORNAL DO EXERCITO, 1960,  
p 27.

ACHI H-9347

I D 2170466

WE - Portugal

MII

15 Sep 61

(DC-6586)

Training of Camerounien Terrorists in Communist  
China, 9 pp.

*seen*  
FRENCH, ~~THE~~, Le Journal FEAPAN, No 54, Nov 1961,  
p 3.

JPRS 12321

NS/A - Cameroun  
Asia - China  
MIL  
Feb 62

182,300

Types of Tropical Virgin Forests in Papua,  
by E. Ellenberg.

FRENCH, per, Journal Forestiers Suisse,  
Vol CX, No 3, pp 69-87.

CSIRO

Sci - Biol  
Jul 62

207,604

Wood Shrinkage and Swelling, by Jean Vodoz, 9 pp.

FRENCH, par, Jnl Forestier Suisse, Oct 1953, pp  
508-516.

SLA Tr 790/1955

Sci - Phys

50, 186

Jul 57

The Development of the Calcium Carbide Industry and  
Its Derivatives, by Jean Garnostai-Polsky, 6 pp.

~~FR~~

FRENCH, per, Journal du four Electrique, Vol XXVII,  
Oct 1930, pp 369-371.

S.I.A. Tr 450/1956

Sci - Chemistry, Fuels

36,472

Jun 1956